

WHAT IS CLAIMED IS:

1. A tape application device for applying an adhesive tape on a tape applying surface formed on a work, comprising:

a main body having a gripping portion;

a tape guide portion provided in said main body and having a pressing portion for pressing said adhesive tape onto said tape applying surface; and

engaging means for slidably pressing said pressing portion onto said tape applying surface, said engaging means including:

first engaging portion having a sliding block held slidably with respect to a holder block provided in said main body, and a first contact portion provided in said sliding block and releasably contacting with said work; and

second engaging portion provided on said main body in opposition to said first engaging portion across said tape guide portion and having a second engaging portion with a second contact portion contacting with said work.

2. A tape application device as claimed in claim 1, wherein a plurality of said second contact portions are arranged with a given interval along a guiding

direction of said adhesive tape by said tape guide portion.

3. A tape application device as claimed in claim 1,
5 wherein said second contact portion is a claw member supported on said main body, and said second contact portion further comprises position adjusting means for adjusting position of said second contact
10 portion in opposing direction to said first contact portion.

4. A tape application device as claimed in claim 1,
wherein said pressing portion is formed in projecting condition at least at a center portion of
15 said tape guide portion, in elastically deformable fashion.

5. A tape application device as claimed in claim 1,
wherein said slide block is slidable in opposing
20 direction of said first engaging portion and said second engaging portion.

6. A tape application device as claimed in claim 5,
wherein biasing means for biasing said first
25 engaging portion toward said second engaging portion

is provided between said main body and said slide block.

7. A tape application device as claimed in claim 1,
5 wherein the surface of said pressing portion is coated with a member having low friction coefficient.

8. A tape application device as claimed in claim 1,
10 wherein said gripping portion extends in a direction perpendicular to a guiding direction of said adhesive tape by said tape guide portion with a clearance relative to said pressing portion.

15 9. A tape application device as claimed in claim 8, wherein said adhesive tape and said released paper before peeling passes through a clearance defined between said gripping portion and said tape guide portion.

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10. A tape application device for applying an adhesive tape on a tape applying surface formed on a work, comprising:

a main body having a gripping portion;

a tape guide portion provided in said main body and having a pressing portion for pressing said adhesive tape onto said tape applying surface;

engaging means for slidably pressing said
5 pressing portion onto said tape applying surface;
and

projecting and retracting means for projecting and retracting said pressing portion along pressing direction;

10 said engaging means including

first engaging portion having a sliding block held slidably with respect to a holder block provided in said main body, and a first contact portion provided in said sliding block and
15 releasably contacting with said work; and

second engaging portion provided on said main body in opposition to said first engaging portion across said tape guide portion and having a second engaging portion with a second contact portion
20 contacting with said work.

✓ 11. A tape application device as claimed in claim 10, wherein said first contact portion is a roller rotatably supported on said slide block and said
25 second contact portion is a roller rotatably support on said main body.

12. A tape application device as claimed in claim
10, wherein a plurality of said second contact
portions are arranged with a given interval along a
guiding direction of said adhesive tape by said tape
5 guide portion.

13. A tape application device as claimed in claim
10, wherein said pressing portion has a surface
formed with a rubber-like elastic body.

14. A tape application device as claimed in claim
10, wherein said slide block is slidable in opposing
direction of said first engaging portion and said
second engaging portion.

15. A tape application device as claimed in claim
14, wherein biasing means for biasing said first
engaging portion toward said second engaging portion
is provided between said main body and said slide
20 block.

16. A tape application device as claimed in claim
10, wherein said projecting and retracting means is
associated with said sliding block for operation
25 according to sliding operation of the latter.

17. A tape application device as claimed in claim
16, wherein said projecting and retracting means
includes a stepped shaft having a larger diameter
portion at a proximal end portion connected to said
5 slide block and a smaller diameter portion at a
distal end portion connected to said larger diameter
portion via a tapered position, and a holding pin
arranged coaxially with said stepped shaft and
supported on said main body at a proximal end
10 thereof, said distal end of said support pin is
slidably engaged with said stepped shaft from said
smaller diameter portion side, and

said pressing portion has a stepped bore
corresponding to said stepped shaft and is rotatably
15 supported on said stepped shaft.

18. A tape application device as claimed in claim
17, wherein a difference of diameters between said
larger diameter portion and said smaller diameter
20 portion of said stepped shaft and a difference of
diameters between said smaller diameter portion of
said stepped shaft and said support pin are set
substantially equal to each other.

25 19. A tape application device as claimed in claim
10, wherein said gripping portion extends in a

direction perpendicular to a guiding direction of said adhesive tape by said tape guide portion with a clearance relative to said pressing portion.

- 5 20. A tape application device as claimed in claim 19, wherein said adhesive tape and the released paper before peeling pass through a clearance between said gripping portion and said tape guide portion.

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